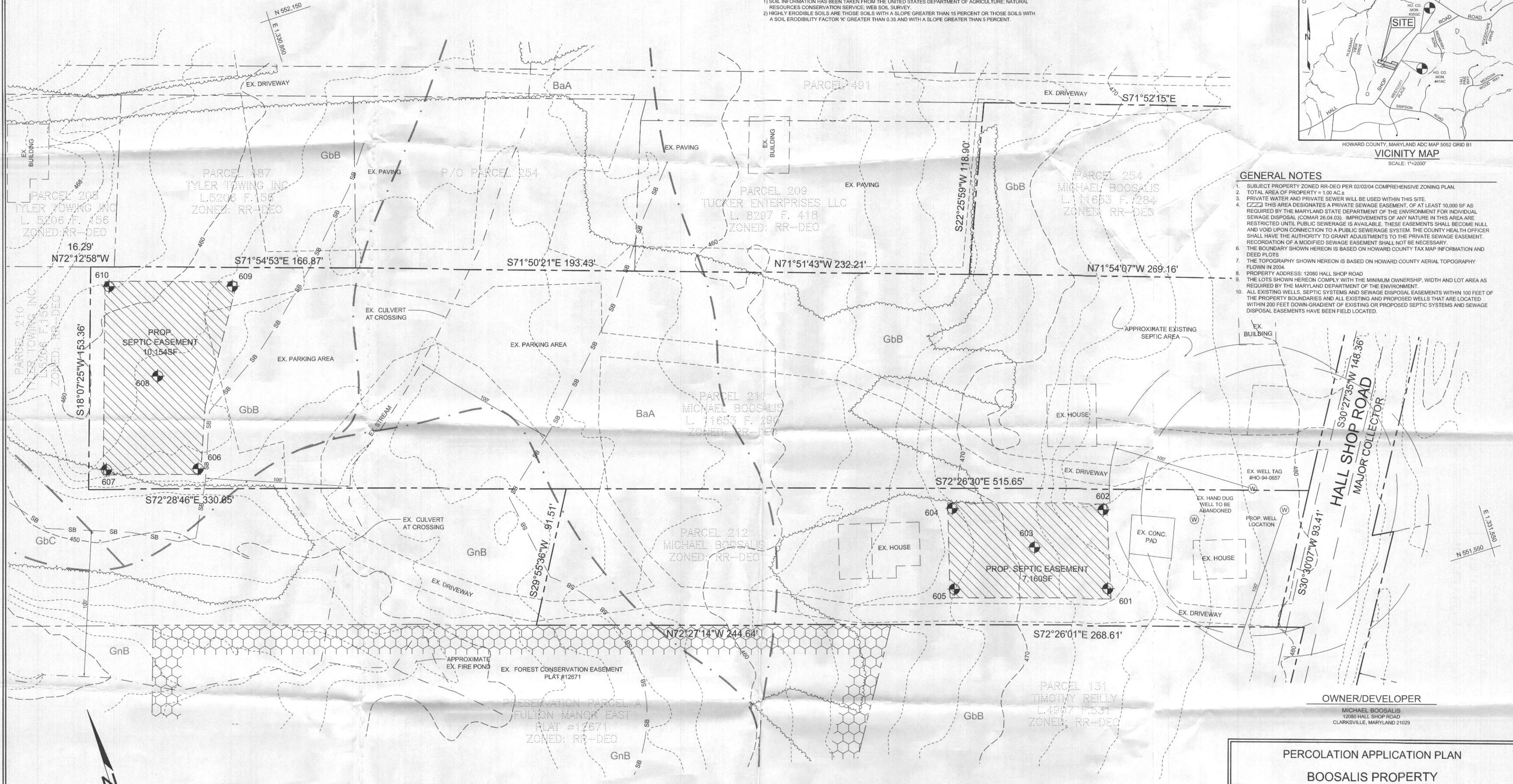
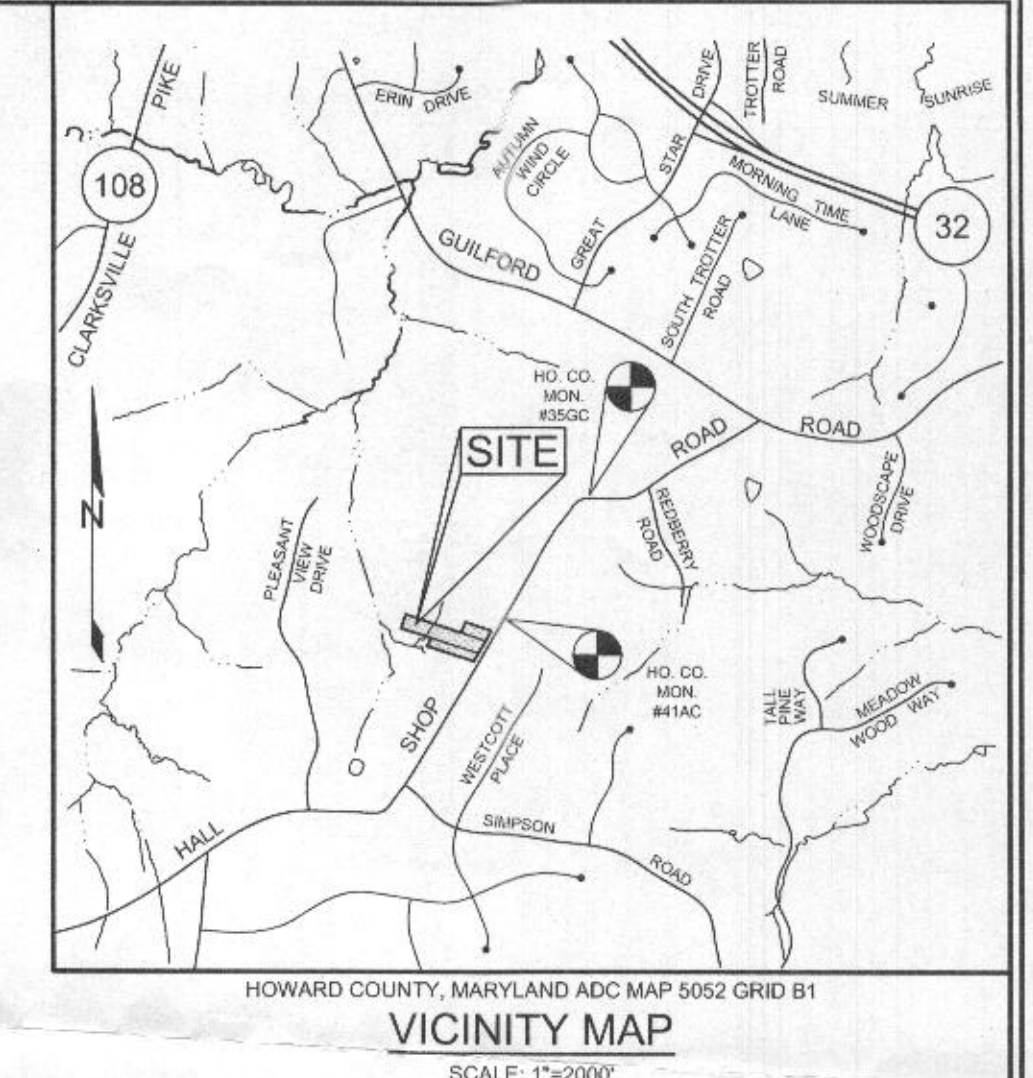


SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
(hA)	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
(hB)	GLADSTONE LOAM, 3 TO 5 PERCENT SLOPES	A	0.28
(hC)	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE: NATURAL RESOURCES CONSERVATION SERVICE: WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND



- GENERAL NOTES**
- SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF PROPERTY = 1.00 AC.
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 - THE BOUNDARY SHOWN HEREON IS BASED ON HOWARD COUNTY TAX MAP INFORMATION AND DEED PLOTS.
 - THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
 - PROPERTY ADDRESS: 12090 HALL SHOP ROAD
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.

PLAN VIEW
 SCALE: 1"=30'

OWNER/DEVELOPER
 MICHAEL BOOSALIS
 12090 HALL SHOP ROAD
 CLARKSVILLE, MARYLAND 21029

PERCOLATION APPLICATION PLAN
BOOSALIS PROPERTY
 12090 HALL SHOP ROAD

TAX MAP 41 GRID 1
 5TH ELECTION DISTRICT

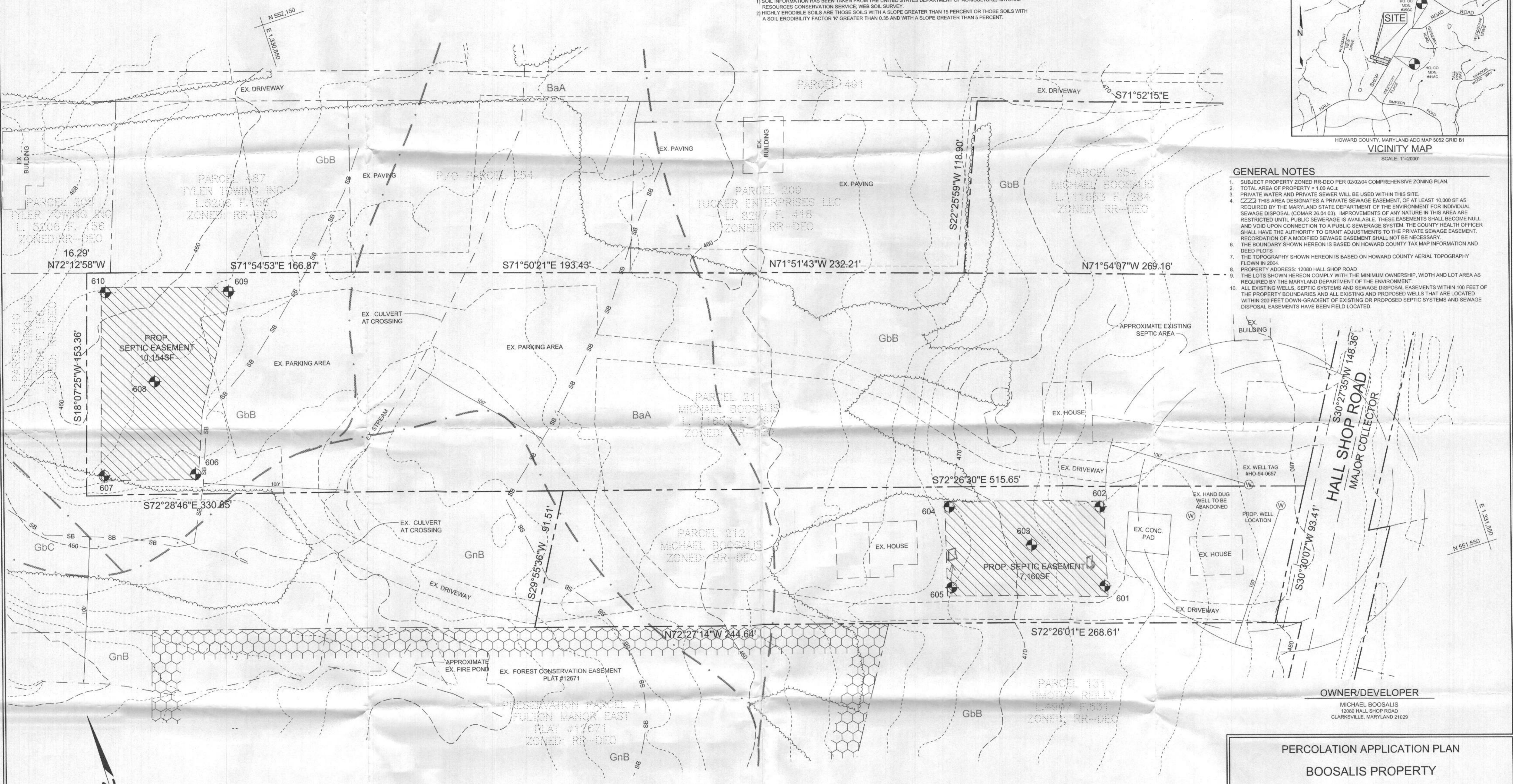
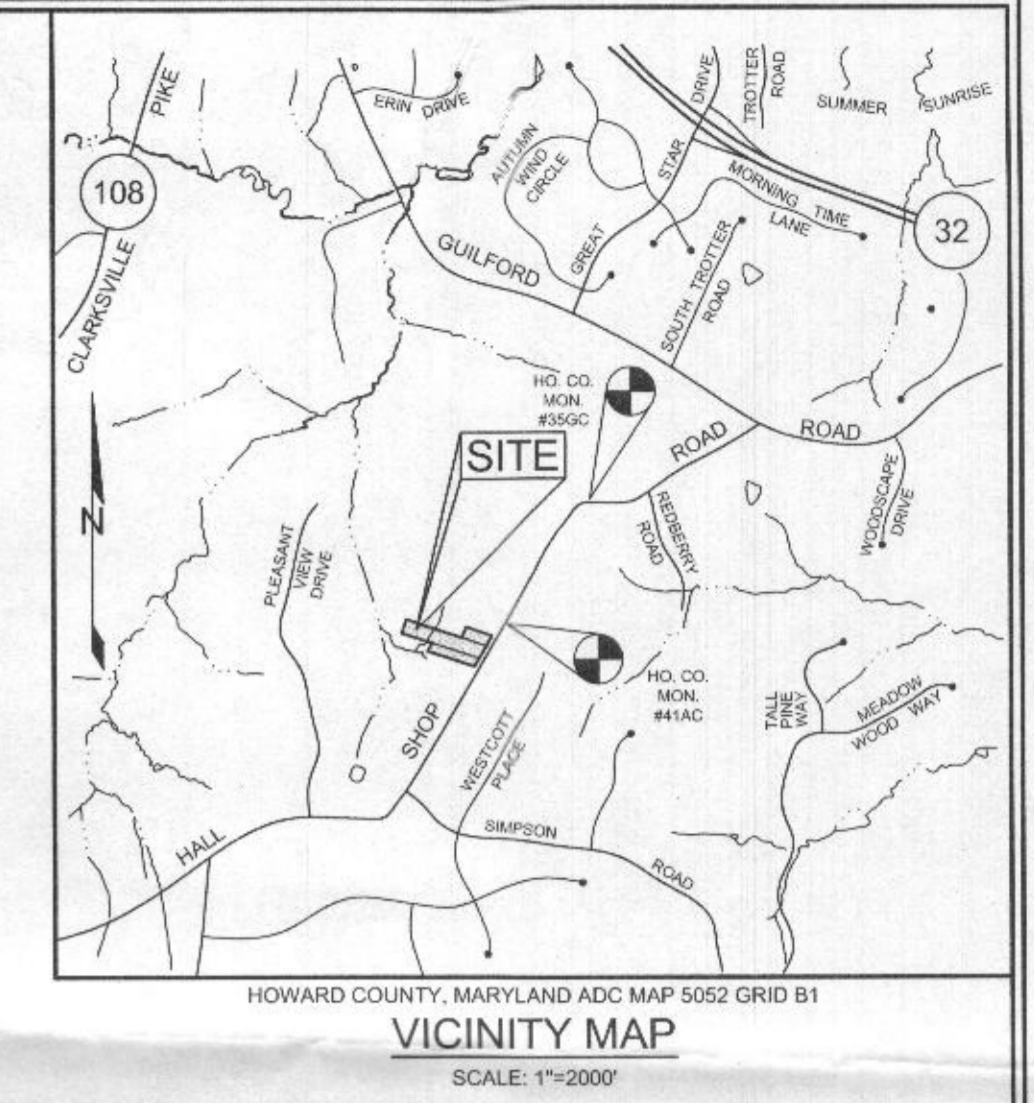
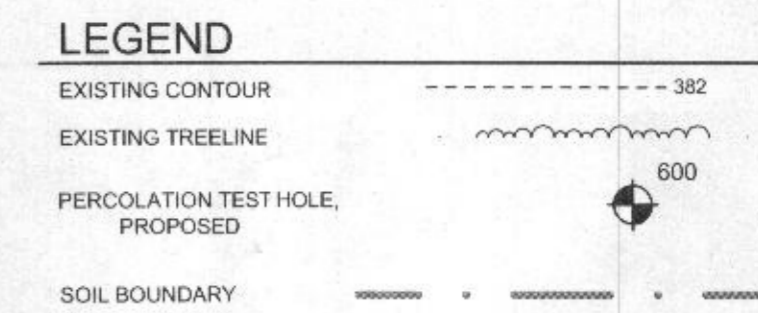
PARCEL 212
 HOWARD COUNTY, MARYLAND

<p>SILL ENGINEERING GROUP, LLC 11130 Dovedale Court, Suite 200 Marriottsville, Maryland 21104 Phone: 443.325.5076 Fax: 410.696.2022 Email: info@sillengineering.com Civil Engineering for Land Development</p>	DESIGN BY: PS
	DRAWN BY: PS
	CHECKED BY: PS
	SCALE: AS SHOWN
	DATE: FEBRUARY 11, 2016
PROJECT #: 15-043	
SHEET #: 1 of 1	

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 30203, EXPIRATION DATE: JUNE 20, 2017.

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
BaA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
GbB	GLADSTONE LOAM, 3 TO 6 PERCENT SLOPES	A	0.28
GnB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.



- GENERAL NOTES**
- SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF PROPERTY = 1.03 AC.
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 - THE BOUNDARY SHOWN HEREON IS BASED ON HOWARD COUNTY TAX MAP INFORMATION AND DEED PLOTS.
 - THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
 - PROPERTY ADDRESS: 12090 HALL SHOP ROAD
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.

OWNER/DEVELOPER
 MICHAEL BOOSALIS
 12090 HALL SHOP ROAD
 CLARKSVILLE, MARYLAND 21029

PERCOLATION APPLICATION PLAN
BOOSALIS PROPERTY
 12090 HALL SHOP ROAD

TAX MAP 41 GRID 1
 5TH ELECTION DISTRICT

PARCEL 212
 HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC

11130 Dovesdale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: FEBRUARY 11, 2016
 PROJECT #: 15-043
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33023, EXPIRATION DATE: JUNE 30, 2017.

GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY:
PARCEL 211 = 2.9962 AC±
PARCEL 212 = .9914 AC±
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY SHANBERGER & LANE IN MAY 2016.
- THE TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANBERGER & LANE, IN MAY 2016. OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
- PROPERTY ADDRESS:
PARCEL 211: 12080 HALL SHOP ROAD
PARCEL 212: 12090 HALL SHOP ROAD
- THE LOTS SHOWN HEREON COMPLETELY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- THE SEWAGE DISPOSAL AREAS SHOWN HEREON ARE SUBJECT TO THE BEDROOM LIMITATIONS LISTED BELOW:
PARCEL 211: 4 BEDROOMS
PARCEL 212: 3 BEDROOMS
- THE SEPTIC SYSTEM FOR PARCEL 212, 12090 HALL SHOP ROAD WILL REQUIRE A BAT.
- PRIOR TO APPROVAL OF ANY BUILDING PERMITS, AN EASEMENT AGREEMENT FOR THE PROPOSED SEWER EASEMENT LOCATED ON PARCEL 211 FOR THE BENEFIT OF PARCEL 212 MUST BE RECORDED IN THE LAND RECORDS OF HOWARD COUNTY. THE AGREEMENT MUST IDENTIFY THE SEWER EASEMENT TO BE USED EXCLUSIVELY FOR SEWAGE DISPOSAL FOR PARCEL 212, AND MAY NOT BE PAVED OR OTHERWISE DISTURBED.
- PRIOR TO APPROVAL OF ANY BUILDING PERMITS ON PARCEL 212, THE HEALTH DEPARTMENT WILL REQUIRE THE INSTALLATION OF THE NEW SEPTIC SYSTEM, THE NEW WELL DRILLED AND THE OLD WELL AND SYSTEM MUST BE ABANDONED.
- THE REAR STRUCTURE ON PARCEL 212 MAY NOT PRODUCE ANY WASTEWATER. THE HEALTH DEPARTMENT MUST VERIFY THAT THERE IS NO PLUMBING IN THE STRUCTURE PRIOR TO THE APPROVAL OF A BUILDING PERMIT.
- A STREAMWETLAND CROSSING PERMIT WILL BE REQUIRED FROM MDE PRIOR TO THE INSTALLATION OF THE SEWER LINE CONNECTING THE HOUSE AT 12090.
- THE NEW WELL TO SERVE PARCEL 212 SHALL BE DRILLED PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR THE PROPOSED TENANT HOUSE (016002797). AN ENVIRONMENTAL SANITARIAN MUST REVIEW AND APPROVE THE WELL COMPLETION REPORT PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE REFERENCED BUILDING PERMIT.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- A BAT UNIT WAS INSTALLED ON PARCEL 211, AND THE UNIT WAS APPROVED ON JUNE 22, 2009.

PERCOLATION TEST ELEVATIONS

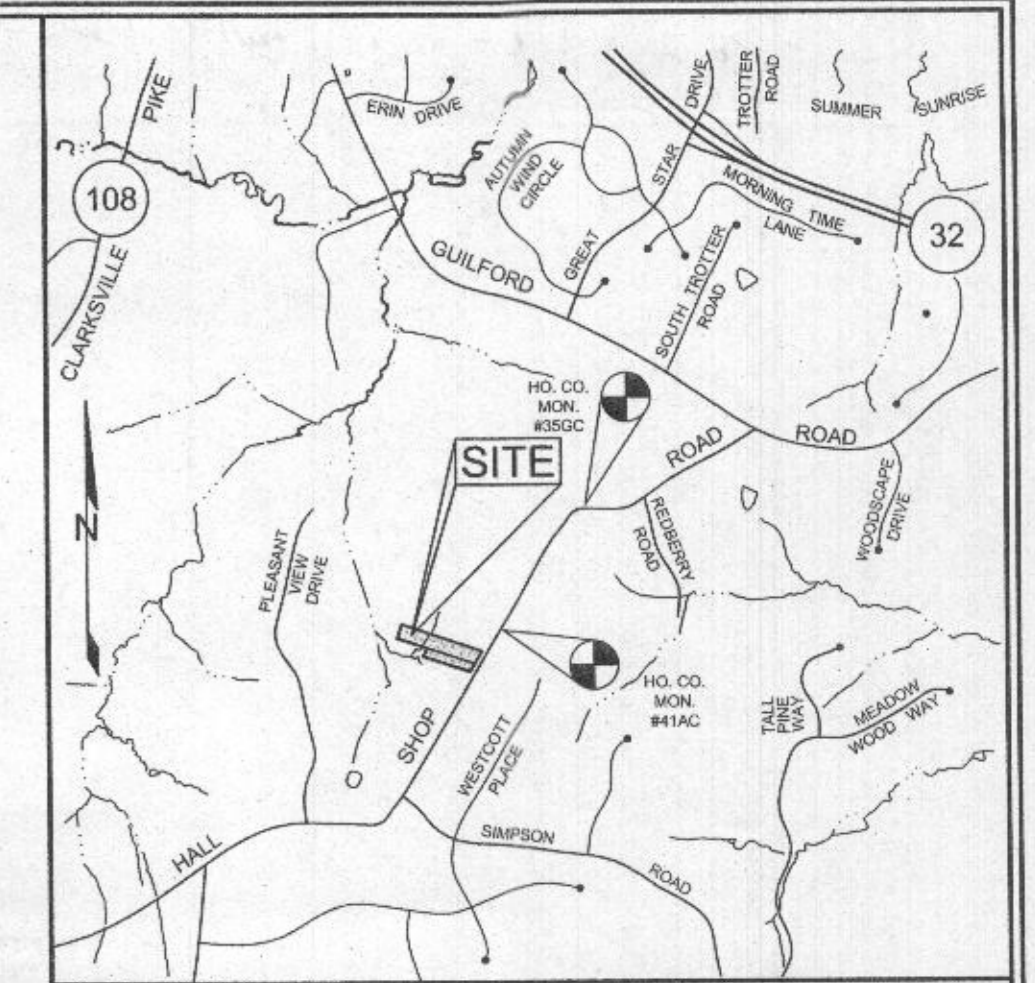
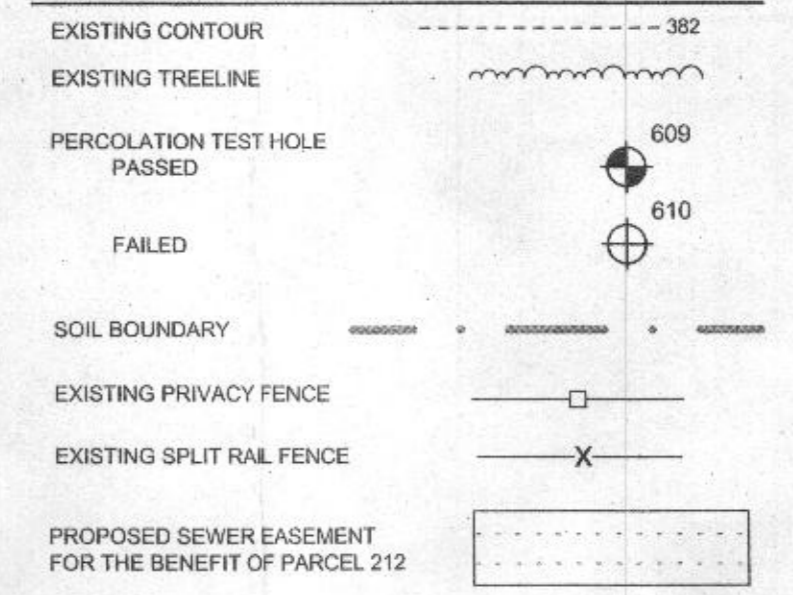
TEST NUMBER	ELEVATION
601	473.79
602	471.25
605	467.85
606	455.43
607	459.33
607A	456.26
608	457.88
609	458.12
610	459.87
610A	458.73

SOILS LEGEND

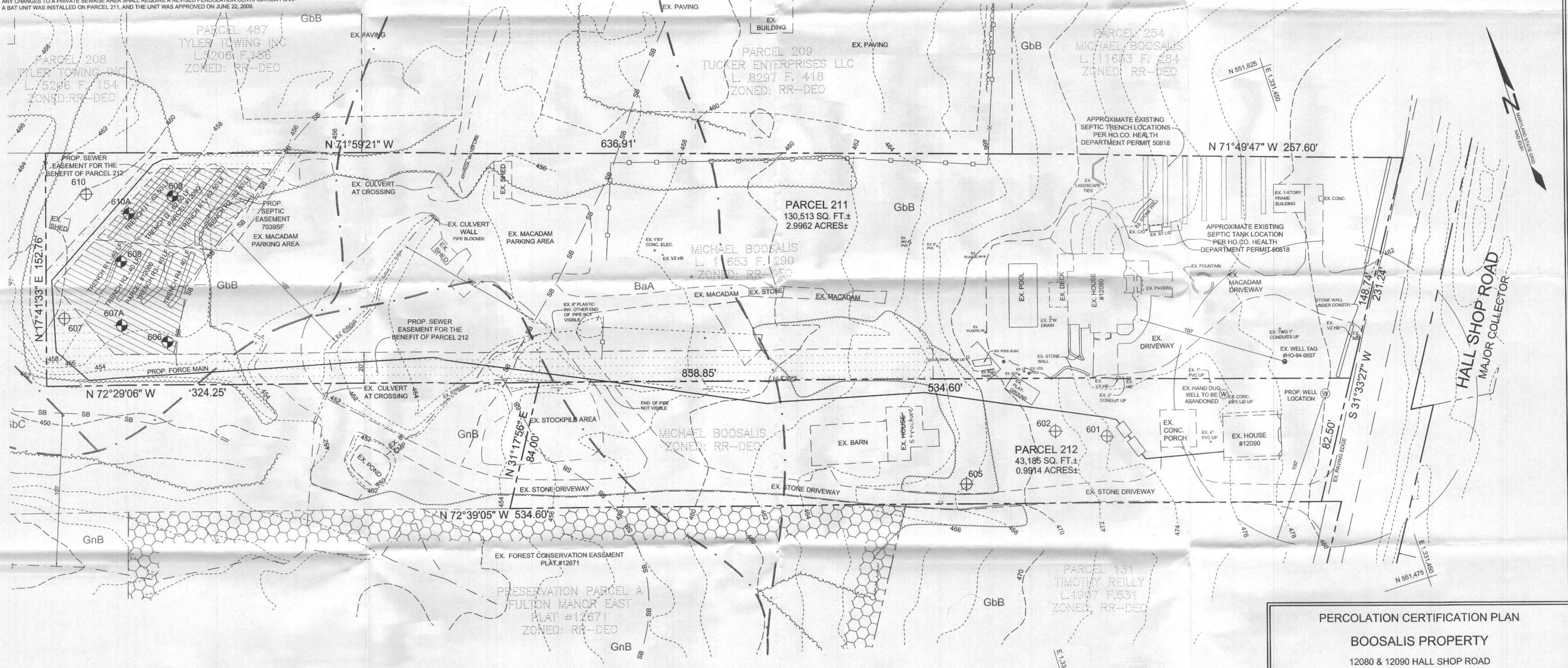
SYMBOL	NAME / DESCRIPTION	GROUP	K' FACTOR
GbA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	0.26
GbH	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND



HOWARD COUNTY, MARYLAND ADC MAP 5052 GRID B1
VICINITY MAP
SCALE: 1"=200'



PLAN VIEW
SCALE: 1"=30'

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

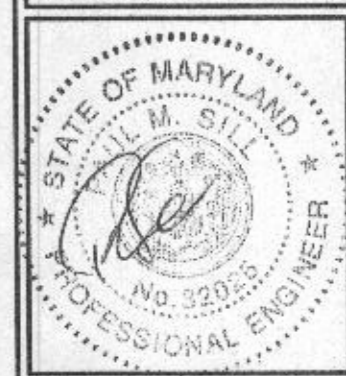
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Paul M. Sill, PE, LEED AP
LICENSED PROFESSIONAL ENGINEER #32025
DATE: 1/23/2017

Paul M. Sill, PE, LEED AP
LICENSED PROFESSIONAL ENGINEER #32025
DATE: 1/23/2017

OWNER/DEVELOPER
MICHAEL BOOSALIS
12080 HALL SHOP ROAD
CLARKSVILLE, MARYLAND 21029

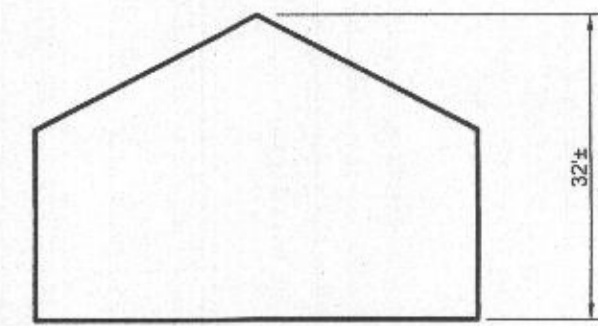
PERCOLATION CERTIFICATION PLAN
BOOSALIS PROPERTY
12080 & 12090 HALL SHOP ROAD
TAX MAP 41 GRID 1
5TH ELECTION DISTRICT
PARCEL 211 AND 212
HOWARD COUNTY, MARYLAND



SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY: PS
DRAWN BY: MPO/AEA
CHECKED BY: PS
SCALE: 1"=30'
DATE: JANUARY 8, 2017
PROJECT #: 15-043
SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 30, 2017



PROP. BUILDING PROFILE
12090 HALL SHOP ROAD
NOT TO SCALE

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
BaA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	0.28
GnB	GLENNVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

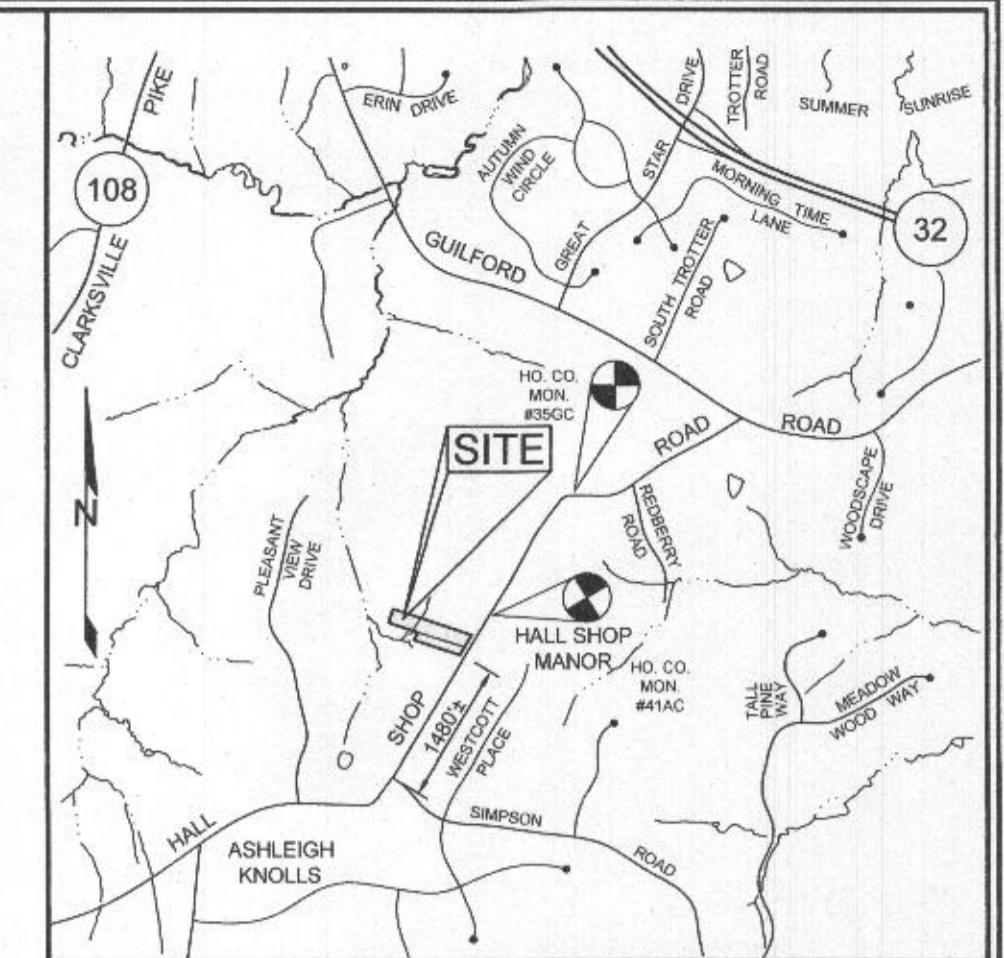
- NOTES:
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEBB SOIL SURVEY
 - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

GENERAL NOTES

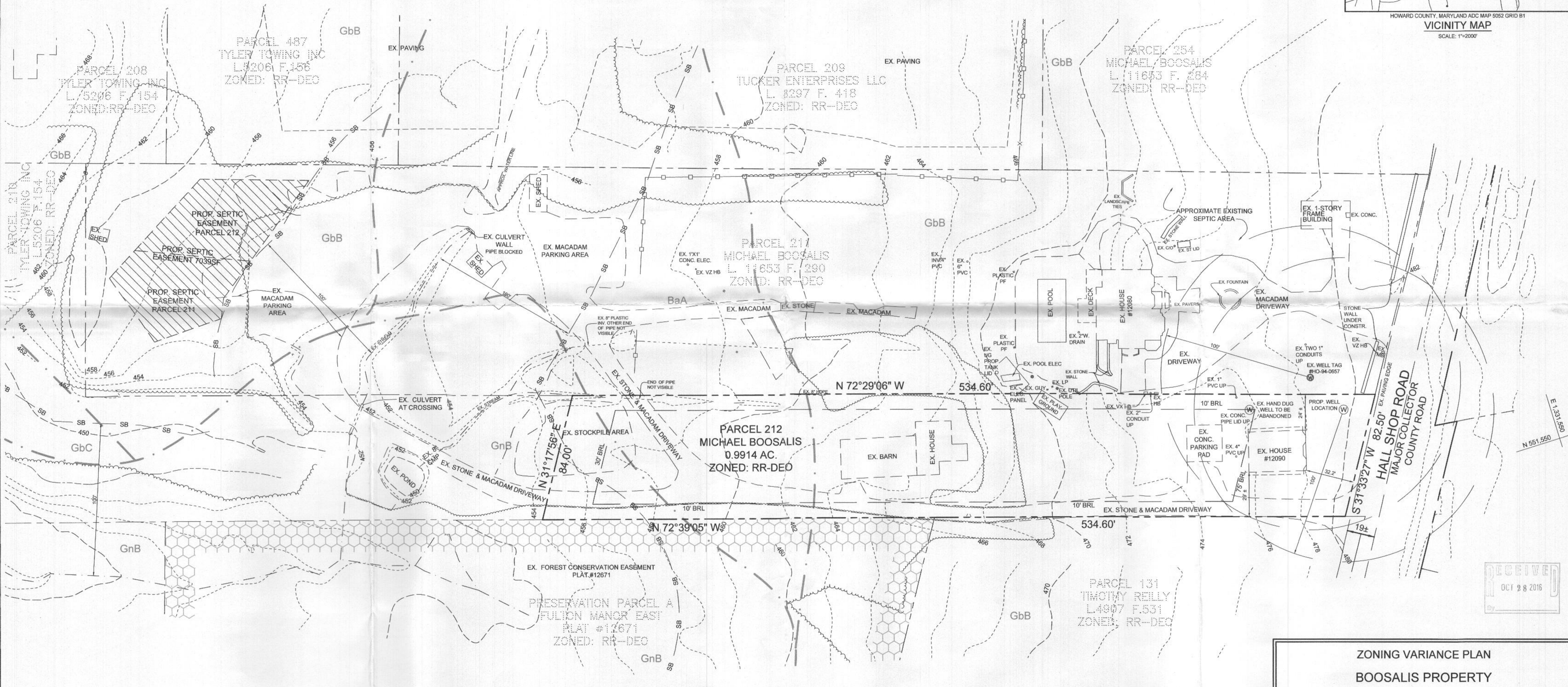
- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY: 0.9914 AC.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- ZZZ THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 7,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED BY SHANBERGER & LANE IN MAY 2016.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHY SURVEY PREPARED BY SHANBERGER & LANE IN MAY 2016.
- PROPERTY ADDRESS: 12090 HALL SHOP ROAD
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- PROPOSED STRUCTURE IS A 2,125+ SQUARE FOOT TWO STORY HOUSE WITH WOOD AND VINYL SIDING AND ASPHALT SHINGLE ROOFING (FIRST FLOOR: 986+ SF, SECOND FLOOR: 1,139+ SF)
- EXISTING PARKING AND DRIVEWAYS ARE STONE AND MACADAM
- PARKING (ON PARCEL 212):
EXISTING: TWO (2) SPACES
PROPOSED: N/A

LEGEND

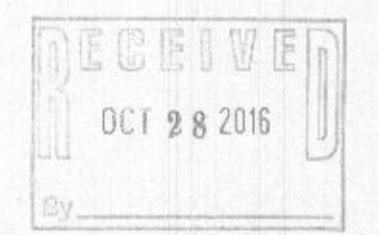
- EXISTING CONTOUR
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING PRIVACY FENCE
- EXISTING SPLIT RAIL FENCE
- STREAM BUFFER



HOWARD COUNTY, MARYLAND ADC MAP 5052 GRID B1
VICINITY MAP
SCALE: 1"=2000'



PLAN VIEW
SCALE: 1"=30'



ZONING VARIANCE PLAN
BOOSALIS PROPERTY
12090 HALL SHOP ROAD

TAX MAP 41 GRID 1
5TH ELECTION DISTRICT
PARCEL 212
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER/PETITIONER
MICHAEL BOOSALIS
12090 HALL SHOP ROAD
CLARKSVILLE, MARYLAND 21029

ATTORNEY
CARNEY, KELEHAN, BRESLER, BENNETT & SCHERR, LLP
C/O THOMAS MEACHUM, ESQ.
10715 CHARTER DRIVE, SUITE 200
COLUMBIA, MD 21044
410-740-4690

SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY: PS
DRAWN BY: MPO/AEA
CHECKED BY: PS
SCALE: 1"=30'
DATE: OCTOBER 26, 2016
PROJECT #: 15-043
SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2017